

TABLE OF CONTENTS

	PAGE
A New Yellow Nymphaea from Tropical Africa George H. Pring and Robert E. Woodson, Jr	1-6
Contribution to the Lichen Flora of North America..... Veli J. P. B. Räsänen	7-21
Astranthium and Related Genera.... Esther L. Larsen	23-44
Ferns and Fern Allies of Missouri..... M. Elizabeth Pinkerton	45-78
Blastomycosis: Report of a Case, with a Study of an Etiologic Factor and a Classification of the Organism..... Morris Moore	79-118
A Monograph of the American Species of the Genus Halenia..... Caroline K. Allen	119-222
The Sensitivity of Orchid Seedlings to Nutri- tional Ions..... F. L. Wynd	223-237
A Revision of the North American Species of Verbena..... Lily M. Perry	239-362
Nutrient Solutions for Orchids..... F. Lyle Wynd	363-372
The Foliose and Fruticose Lichens of Costa Rica. I..... Carroll W. Dodge	373-467
A Neutral (?) Strain of <i>Mucor sphaerosporus</i> from Missouri..... Morris Moore	469
A Study of <i>Endomyces capsulatus</i> Rewbridge, Dodge and Ayers: A Causative Agent of Fatal Cerebrospinal Meningitis..... Morris Moore	471-568
Sources of Carbohydrate for Germination and Growth of Orchid Seedlings..... F. Lyle Wynd..	569-581

	PAGE
Super Optimal and Thermal Death Temperatures of the Cotton Plant as Affected by Variations in Relative Humidity.....	
....Dorothy Megowen Berkley and Earl E. Berkley	583-604
Studies in the Apocynaceae. IV. The American Genera of Echitoideae..	
Robert E. Woodson, Jr.	605-790
Report of a Botanical Expedition into the Mountains of Western Texas.....	
.....Julian A. Steyermark and John Adam Moore	791-806
General Index to Volume XX.....	807-817

STAFF
OF THE MISSOURI BOTANICAL GARDEN

Director,
GEORGE T. MOORE.

Assistant to the Director,
KATHERINE H. LEIGH.

HERMANN VON SCHRENK,
Pathologist.

CARROLL W. DODGE,
Mycologist.

JESSE M. GREENMAN,
Curator of the Herbarium.

ROBERT E. WOODSON, JR.,
Research Assistant.

ERNEST S. REYNOLDS,
Physiologist.

NELL C. HORNER,
Librarian and Editor of Publications.

BOARD OF TRUSTEES
OF THE MISSOURI BOTANICAL GARDEN

President,
GEORGE C. HITCHCOCK.

Vice-President,
SAMUEL C. DAVIS.

Second Vice-President,
DANIEL K. CATLIN.

L. RAY CARTER.
THOMAS S. MAFFITT.
GEORGE T. MOORE.

ALBERT T. PERKINS.
EUGENE PETTUS.
ETHAN A. H. SHEPLEY.

FRED G. ZEIBIG.

EX-OFFICIO MEMBERS:

GEORGE R. THROOP,
Chancellor of Washington University.

BERNARD F. DICKMANN,
Mayor of the City of St. Louis.

WILLIAM SCARLETT,
Bishop of the Diocese of Missouri.

ALBERT KUNTZ,
President of The Academy of Science of St. Louis.

DAVID C. TODD
President of the Board of Education of St. Louis.

GEORGE F. HEFFERNAN, *Secretary.*